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动物分类学报

中国真蝽属二新种 (半翅目, 蝽科)

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摘 要 记述了蝽科真蝽属 2 新种: 苍山真蝽 *Pentatoma cangshanensis* sp. nov. 和绿角真蝽 *Pentatoma viridicornuta* sp. nov., 新种分别与近似种做了比较, 并附鉴别特种图。模式标本保存于陕西师范大学动物研究所昆虫标本室。
关键词 半翅目, 蝽科, 真蝽属, 新种.
中图分类号 Q969.351.6

真蝽属 *Pentatoma* Olivier 是蝽科 Pentatomidae 一个较大的属, 有 30 种。最近在整理动物所半翅目蝽科昆虫标本时, 发现真蝽属 *Pentatoma* Olivier 2 新种, 记述如下。测量单位 mm。

1 苍山真蝽, 新种 *Pentatoma cangshanensis* sp. nov. (图 1~4)

体小型, 椭圆形, 栗色, 略具光泽。头侧叶与中叶等长, 侧叶较窄, 约为中叶 1.5 倍, 密被密黑刻点, 使得外观呈黑色, 有较明显的横皱纹, 其外缘微上卷, 中叶基部较为隆出; 复眼内侧各有 1 小半月形黄斑, 单眼玉红色。触角黄褐色。

前胸背板栗色, 密被黑褐色较粗刻点, 中间有 1 不太明显隆脊, 前缘黑色, 弧形, 领极狭窄, 其上无刻点; 前角较钝, 向外前方指, 黄褐色; 前侧缘黑色, 密被黑刻点, 明显内凹, 前半锯齿状; 胝区中部向后至前胸背板中部高隆起, 胝区光滑; 侧角伸出较短, 黑色, 端部平截, 其前缘区没有上翘, 微成弧形, 其后角不如 *Pentatoma rufipes* (Linnaeus) 明显, 侧角体后缘与前翅革片基部等长 (图 1)。小盾片末端淡黄色, 无刻点, 其余部分黑刻点均匀。前翅革质部平, 栗色, 具和前胸背板一样的较粗刻点, 前缘刻点较密; 膜片淡黄色, 翅脉清晰, 伸出腹部末端; 腹部背板黑褐色, 侧接缘外露, 黄黑相间, 黑色部分在黄色部分的 2 倍以上。

身体腹面栗褐色, 头胸部腹面具较粗黑刻点, 密集, 小颊上亦有黑刻点; 足黄褐色, 腿节被稀疏半直立短毛, 胫节与跗节密被半直立长毛, 长与该节直径相当。臭腺沟缘较 *Pentatoma rufipes* (Linnaeus) 短; 腹板较为隆出, 隆出部分黄褐色, 刻点同底色, 其余部分黑刻点较小; 气门黑色。喙黄褐色, 第 4 节末端黑色, 伸达第 4 节可见腹节后缘。

雄虫生殖节: 腹面观极像 *Pentatoma rufipes* (Linnaeus) (图 2), 中间两个突起不明显, 黑色, 其间微成弧形; 左右阳基侧突相同, 整体成弧形弯曲 (图 3, 4), 端缘较 *Pentatoma rufipes* (Linnaeus) 更为直, 顶部宽扁, 扭曲, 色较深。

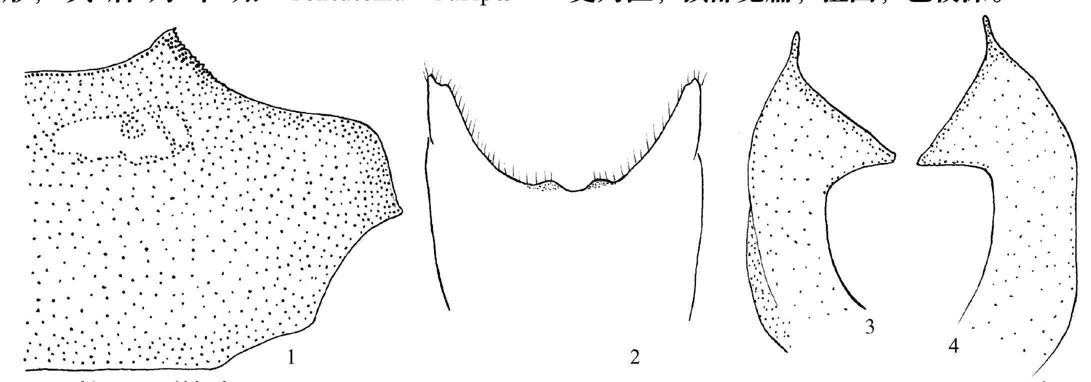


图 1~4 苍山真蝽, 新种 *Pentatoma cangshanensis* sp. nov.
1. 前胸背板 (pronotum) 2. 雄性外生殖器 (male genitalia) 3~4. 阳基侧突 (paramera)

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体长 12～13；**头长** 2.6，**宽** 1.9；**触角 Ⅰ～Ⅴ节长** = 0.8，1.2，2.3，2.1，1.8；**前胸背板长** 3.1，**宽** 7.5；**小盾片长** 4.6，**宽** 3.9。

正模 ♂，云南大理苍山，2004-08-11，何鹏兴采。副模 ♂，同正模，卜云采。

本种与红足真蝽 *Pentatoma rufipes* (Linnaeus) 较为相似。但前胸背板前侧缘黑色，侧角不如后者上翘伸出，其后角不如后者突出，喙比它们较长，侧接缘黑色，其间黄斑非常小几乎无，头部中叶及胝区隆出，触角比例和抱器的形状不同等特征可以区分出来。

词源：新种学名根据产地云南苍山之名汉语拼音的前部分字根而命名。

2 绿角真蝽，新种 *Pentatoma viridicornuta* sp. nov.（图 5～9）

体中型，长椭圆形，淡黄绿色至黄褐色，密被黑色刻点。头顶淡黄褐色，侧叶与中叶等长，侧叶具横皱纹，被稀疏黑褐色刻点，略具金绿色光泽，其外缘微上卷，金绿色；侧叶宽是中叶的 2 倍以上，中叶刻点较密；基部刻点有时成 2 纵行排列，复眼内侧各有 1 光滑无刻点区域，单眼玉红色。单眼后有一半月形光滑无刻点区域。触角黄褐色，密被半直立毛，长度不达该节直径。

前胸背板与小盾片淡黄绿色至黄褐色，被黑褐色刻点，微具金绿色光泽，胝区黄褐色，光滑无刻点。前缘深凹，其上光滑无刻点，眼后平截，前角短，侧指；前侧缘区域淡黄色，几无刻点，前半锯齿状，前侧缘至侧角体前缘扁薄，侧角体深绿色，其前缘成弧形上翘，外缘黑色，其顶角较锐，雌虫向外向后伸出较长（图 5），雄虫侧角体顶角伸向外方，但不如雌虫尖，雌雄侧角体后缘都约为前翅革片基部的 2 倍。小盾片淡黄绿色至黄褐色，中间有 1 条不甚明显的光滑淡色隆脊至末端，中部刻点密集，两侧区域及末端刻点较少。前翅内革片深绿色，刻点较小同底色，外革片同体色，淡黄绿色至黄褐色，其内侧黑刻点较大，其外缘几无刻点，爪片黑褐色，密集较大的黑刻点，排列整齐；膜片烟褐色，翅脉模糊，末端和腹部等长。后翅黄褐色，有金绿色光泽；腹部背面黑褐色，侧接缘同体色，无刻点。

体腹面淡黄绿色至黄褐色，除前胸背板侧角体腹面有黑刻点外，其余部分刻点同体色。各足基节窝外侧有 1 小黑斑，足无刻点，腿节同体色，被稀疏半直立短毛，胫节与跗节黑褐色，密被半直立长毛，长与该节直径相当。臭腺沟缘较长略弯曲，成香蕉形。喙黄褐色，第 4 节末端黑色，伸达第 4 可见腹节后缘。腹基突起几无，气门黑色。

雄虫生殖节：腹面观背缘显著伸出（图 6），中间两个突起明显，其间凹深，成半圆状，无毛；左右阳基侧突相同，端缘中部略凹入，黑色，钩状突短粗，指状外指，基部内侧有 1 半透明博片状结构（图 7～8），整体结构与属内其它生殖器结构明显不同。

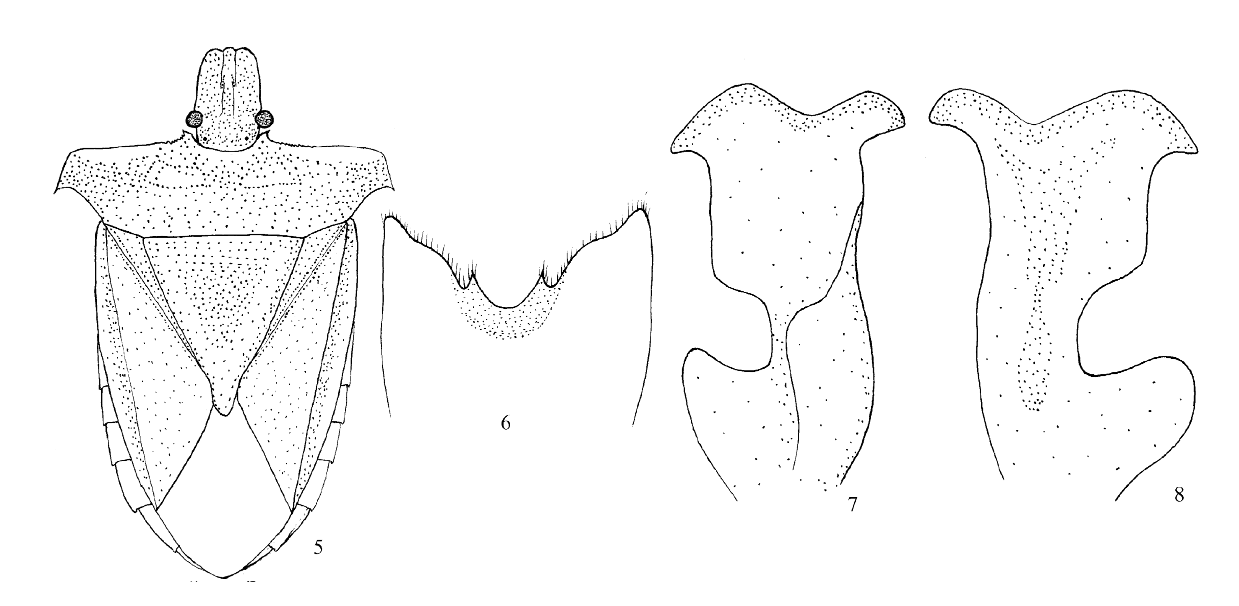


图 5～8 绿角真蝽，新种 *Pentatoma viridicornuta* sp. nov.
5. 前胸背板（pronotum） 6. 雄性外生殖器（male genitalia） 7～8. 阳基侧突（paramera）

体长 ♀14, ♂13.0～13.5; **头长** ♀2.6, ♂2.5; **宽** ♀1.8, ♂1.6; **触角** ♀ **Ⅰ～Ⅴ节长** = 0.9, 1.6, 2.3, 2.9, 2.4, ♂ **Ⅰ～Ⅴ节长** = 0.9, 1.6, 2.2, 2.7, 2.4; **前胸背板长** ♀3.5, ♂3.5, **宽** ♀9.5, ♂10.2; **小盾片长** ♀5.0, ♂5.0, **宽** ♀4.3, ♂4.5。

正模 ♀, **陕西佛坪大熊猫保护区**, 2005-09-16, **何鹏兴采。副模**: 1 ♂, **同正模**; 1 ♂, **陕西眉县红河谷**, 2002-08-13, **卜云采**; 1 ♂, **四川青川**, 1986-09-19, **廉振民采。**

本种体形与角肩真蝽 Pentatoma angulata Hsiao et Cheng **外形较为相似, 但体色明显有差异, 雌虫侧角向外向后伸出较长, 雄虫侧角体顶角伸向外方, 但不如雌虫尖, 腹部基突起几无, 喙较长以及生殖器明显不同等特征很容易可以区分出来。**

词源: viridi **绿色**, cornuta **角**, **新种以前胸背板侧角体深绿色而命名。**

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TWO NEW SPECIES OF THE GENUS PENTATOMA OLIVIER (HEMIPTERA, PENTATOMIDAE) FROM CHINA

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Abstract The present paper deals with two new species of Pentatoma Olivier from China: P. cangshanensis sp. nov. and P. viridicornuta sp. nov. Type specimens are deposited in the Institute of Zoology, Shaanxi Normal University. Measurements are given in millimeters.

Pentatoma cangshanensis sp. nov. (Figs. 1-4)

Body middle size, elongately ovate, castaneous and sheeny, with black punctures.

This new species is similar to Pentatoma rufipes (Linnaeus) in appearance, but differs from the latter in: 1) size small, lateral margin of pronotum black; 2) lateral angles shorter, truncated, and not obviously raised; 3) end of rostrum black, reaching hind margin of the 4th abdominal segment; 4) connexivm alternately yellow and black, and the yellow parts small, not clear; 5) head base slightly tumid, and the middle calli distinctly raised; 6) paramere different to the later.

Body length: 12-13; head length 2.6, width 1.9; length of antennal segment Ⅰ-Ⅴ = 0.8, 1.2, 2.3, 2.1, 1.8; pronotum length 3.1, width 7.5; scutellum length 4.6, width 3.9.

Holotype ♂, Cangshan, Dali (24.9°N, 100.05°E), Yunnan, 11 Aug. 2004, HE Peng-Xing leg. Paratype 1 ♂, same data as holotype, BU Yun leg.

Pentatoma viridicornuta sp. nov. (Figs. 5-9)

Body middle size, elongately ovate, yellowish green or yellowish brown, with black punctures.

Tylus as long as jugum, with black punctures sheened with metallic green. Antennae yellowish brown. Anterior margin of pronotum truncate behind eyes. Lateral margins of pronotum yellow, without black puncture, anterior portion with fine serration. Base of lateral angles greenish metallic and obviously raised, apex blackish, with a long tip as in Fig. 5. Scutellum yellowish green or yellowish brown. middle part with more punctures than other parts. Lateral margin of corium yellowish green or yellowish brown, inner margin with dark punctures. other parts of corium greenish. Clavus dark brown, with several row punctures, membrane brown, extending to abdomen apex. Connexivm yellowish green or yellowish brown, without black punctures.

Coloration of body beneath same to body above, only pronotal lateral angles with black punctures. Ventral basal spine almost nonexistence. Rostrum yellowish brown, apical part black, reaching posterior margin of the 4th abdominal segment. Pygofer as in Fig. 6. Paramere with top concavity and apex finger-like and directing obliquely as in Figs. 7-8, translucent sheet at base.

Body length ♀14, ♂13.0-13.5; head length ♀2.6, ♂2.5, width ♀1.8, ♂1.6; length of antennal segment ♀ **Ⅰ-Ⅴ** = 0.9, 1.6, 2.3, 2.9, 2.4, ♂ **Ⅰ-Ⅴ** = 0.9, 1.6, 2.2, 2.7, 2.4; pronotum length ♀3.5, ♂3.5, width ♀9.5, ♂10.2; scutellum length ♀5.0, ♂5.0, width ♀4.3, ♂4.5.

Holotype ♀, Foping (33.4°N, 107.5°E), Shaanxi, 16 Sep. 2005, HE Peng-Xing leg. Paratypes: 1 ♂, same data as holotype; 1 ♂, Taibaishan, Shaanxi, 23 Aug. 2002, BU Yun leg.; 1 ♂, Qingchuan, Sichuan, 19 Aug. 1986, LIAN Zhen-Min leg.

This new species is similar to *Pentatoma angulata* Hsiao et Cheng, but differs in: 1) body color; 2) lateral angles with a long tip; 3) ventral basal spine; 4) rostrum length; 5) male genitalia structure.

Key words Hemiptera, Pentatomidae, *Pentatoma*, new species.